Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSPTAEXB1618

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 3	OCT 19	BEILSTEIN updated with new compounds
NEWS 4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 5	NOV 19	WPIX enhanced with XML display format
NEWS 6	NOV 30	ICSD reloaded with enhancements
NEWS 7	DEC 04	LINPADOCDB now available on STN
NEWS 8	DEC 14	BEILSTEIN pricing structure to change
NEWS 9	DEC 17	USPATOLD added to additional database clusters
NEWS 10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS 11	DEC 17	DGENE now includes more than 10 million sequences
NEWS 12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 14	DEC 17	CA/CAplus enhanced with new custom IPC display formats
NEWS 15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 16	JAN 02	STN pricing information for 2008 now available
NEWS 17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 19	JAN 28	MARPAT searching enhanced
NEWS 20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 23	FEB 08	STN Express, Version 8.3, now available
NEWS 24	FEB 20	PCI now available as a replacement to DPCI
NEWS 25	FEB 25	IFIREF reloaded with enhancements
NEWS 26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

FILE 'HOME' ENTERED AT 09:31:48 ON 11 MAR 2008

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY 0.21 TOTAL SESSION 0.21
FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 09:32:02 ON 11 MAR 2008
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 11 Mar 2008 VOL 148 ISS 11
FILE LAST UPDATED: 10 Mar 2008 (20080310/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s bis(4-hydroxyaryl)alkane
MISSING OPERATOR 'BIS(4-HYDROXYA'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s 4-hydroxyaryl
5812114 4
1737 HYDROXYARYL
2 HYDROXYARYLS
1738 HYDROXYARYL
(HYDROXYARYL OR HYDROXYARYLS)
L1 107 4-HYDROXYARYL
(4(W)HYDROXYARYL)

=> s adduct
86064 ADDUCT
68783 ADDUCTS
L2 124304 ADDUCT
(ADDUCT OR ADDUCTS)

=> s l1 and l2

```
L3          9 L1 AND L2

=> s phenol
        259014 PHENOL
        125481 PHENOLS
L4      324247 PHENOL
                 (PHENOL OR PHENOLS)

=> s l3 and l4
L5          8 L3 AND L4

=> d bib abs hitstr 1-8

L5   ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2008 ACS on STN
AN   2007:592329  CAPLUS
DN   147:10341
TI   Methods for increasing the mean particle size of 2-hydrocarbyl-3,3-
     bis(hydroxyaryl)phthalimidines
IN   Ganesan, Balakrishnan; Nadkarni, Pradeep Jeevaji
PA   General Electric Company, USA
SO   U.S. Pat. Appl. Publ., 15 pp.
     CODEN: USXXCO
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    --------------------   --------
PI   US 2007123712        A1    20070531    US 2005-288912         20051129
     US 7329720           B2    20080212
     WO 2007064623        A2    20070607    WO 2006-US45506        20061128
     WO 2007064623        A3    20070726
          W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
              CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
              GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN,
              KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK,
              MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
              RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT,
              TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW
          RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
              IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
              CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
              GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
              KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA
PRAI US 2005-288912       A     20051129
OS   MARPAT 147:10341
AB   A method for increasing a mean particle size of a 2-hydrocarbyl-3,3-
     bis(hydroxyaryl)phthalimidine is provided.  The method comprises forming a
     mixture comprising a feedstream of the 2-hydrocarbyl-3,3-bis(4-
     hydroxyaryl)phthalimidine, and a solvent composition comprising an organic
     solvent and water, wherein the organic solvent is capable of at least
     partially dissolving the 2-hydrocarbyl-3,3-bis(hydroxyaryl)phthalimidine
     and forming an adduct with the 2-hydrocarbyl-3,3-
     bis(hydroxyaryl)phthalimidine.  Then the mixture is heated at a temperature and
     for a time effective to decompose the adduct and form a
     2-hydrocarbyl-3,3-bis(hydroxyaryl)phthalimidine product having a mean
     particle size greater than 5 μ.  The 2-hydrocarbyl-3,3-
     bis(hydroxyaryl)phthalimidines with increased particle size are useful for
     producing polymers.
RE.CNT  19    THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
```

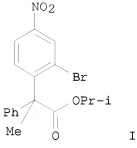
L5 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:740283 CAPLUS
DN 141:245239
TI Process for recovering an adduct of a bis(4-hydroxyaryl)alkane and a phenolic compound
IN Patrascu, Emil; Frey, Johann-Wilhelm; Hagel, Manfred
PA Dow Global Technologies, Inc., USA; Dow Deutschland Inc.
SO PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004076394	A1	20040910	WO 2004-US1118	20040116
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1597224	A1	20051123	EP 2004-702992	20040116
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
	CN 1753856	A	20060329	CN 2004-80004859	20040116
	JP 2006518377	T	20060810	JP 2006-502852	20040116
	US 2006224025	A1	20061005	US 2005-541779	20050711
	IN 2005CN01964	A	20070727	IN 2005-CN1964	20050818
PRAI	US 2003-448918P	P	20030221		
	WO 2004-US1118	W	20040116		

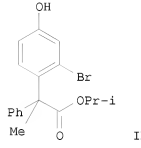
AB A process for recovering a solid adduct of a bis(4-hydroxyaryl)alkane and a phenolic compound from a suspension comprising the addict, comprises the steps of: (a) supplying the suspension to a rotary filter; (b) filtering the supplied suspension in the rotary filter to retain adduct as an adduct cake; (c) pre-drying the adduct cake with an inert gas; (d) washing the pre-dried adduct cake; (e) optionally drying the washed adduct cake; and (f) discharging the washed adduct cake from the rotary filter. Thus, a pure bis(4-hydroxyaryl)alkane is obtained through the adduct recovered when it is melted and the phenolic compound is distilled off.
RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2004:398398 CAPLUS
DN 141:156901
TI Oxidative nucleophilic substitution of hydrogen in nitrobenzenes with 2-phenylpropionic esters
AU Makosza, Mieczyslaw; Surowiec, Marek; Paszewski, Maciej
CS Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw, PL-01 224, Pol.
SO ARKIVOC (Gainesville, FL, United States) (2004), (2), 172-180
CODEN: AGFUAR
URL: http://www.arkat-usa.org/ark/journal/2004/Zwanenburg/BZ-975E/975E.pdfhttp://www.arkat-usa.org/ark/journal/2004/Zwanenburg/BZ-975E/975E.pdf
PB Arkat USA Inc.
DT Journal; (online computer file)

LA English
OS CASREACT 141:156901
GI



I



II

AB Several alkyl 2-phenyl-2-(4-nitroaryl)propionates, e.g. I, and 2-phenyl-2-(4-hydroxyaryl)propionates, e.g. II, were prepared, in 66% and 73% yield, by oxidation of σH adducts with KMnO4 and dimethyldioxirane, which were generated in situ from alkyl 2-phenylpropionates, e.g iso-Pr 2-phenylpropanoate and nitroarenes, e.g. 3-bromonitrobenzene.
RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2001:449831 CAPLUS
DN 135:46601
TI Separation of bis(4-hydroxyaryl)alkanes and aromatic hydroxy compounds from bis(4-hydroxyaryl)alkane/hydroxyarene adducts in a desorber.
IN Neumann, Rainer; Heydenreich, Frieder; Prein, Michael; Lanze, Rolf; Boediger, Michael
PA Bayer A.-G., Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19961566	A1	20010621	DE 1999-19961566	19991220
WO 2001046104	A1	20010628	WO 2000-EP12324	20001207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000016494	A	20020917	BR 2000-16494	20001207
EP 1242349	A1	20020925	EP 2000-991585	20001207
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003518048	T	20030603	JP 2001-546618	20001207

	TW 526190	B	20030401	TW 2000-89127151	20001219
	IN 2002MN00705	A	20040228	IN 2002-MN705	20020530
	US 2002183562	A1	20021205	US 2002-149906	20020617
	US 6919487	B2	20050719		
	MX 2002PA06090	A	20030128	MX 2002-PA6090	20020619
	KR 786460	B1	20071217	KR 2002-707867	20020619
	KR 2007110447	A	20071116	KR 2007-723912	20071018
PRAI	DE 1999-19961566	A	19991220		
	WO 2000-EP12324	W	20001207		
	KR 2002-707867	A3	20020619		

AB Use of a desorber optionally in series with a distillation unit for separation of
bis(4-hydroxyaryl)alkanes [specifically
2,2-bis(4-hydroxyphenyl)propane, BPA] and aromatic hydroxy compds. from bis(4-hydroxyaryl)alkane/arylhydroxy adducts is
claimed. Desorption is carried out in a desorber consisting of
tube-bundle heat exchangers; interstices between the heat exchanger pipes
are filled with ceramic balls (steatite). An inert gas (N2 or O2) is fed
through the desorber at a flow of 100-300 m3 per m3 BPA/PhOH
adducts at 160-230°. BPA is recovered as bottom product in
the desorber and collected in a withdrawal tank. Separation of BPA from
BPA/PhOH adducts gave BPA in a purity of >99.5% with PhOH
content of <50 ppm.

L5 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2001:449826 CAPLUS
DN 135:46600
TI separation and purification of bis(4-hydroxyaryl)alkanes using a vacuum drum filter
IN Neumann, Rainer; Lanze, Rolf; Heydenreich, Friedrich; Boediger, Michael; Prein, Michael
PA Bayer A.-G., Germany
SO Ger. Offen., 6 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI DE 19961521	A1	20010621	DE 1999-19961521	19991220
WO 2001046105	A1	20010628	WO 2000-EP12323	20001207
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000016505	A	20020827	BR 2000-16505	20001207
EP 1242350	A1	20020925	EP 2000-990667	20001207
EP 1242350	B1	20040331		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003518049	T	20030603	JP 2001-546619	20001207
ES 2218277	T3	20041116	ES 2000-990667	20001207
TW 568901	B	20040101	TW 2000-89127150	20001219
IN 2002MN00733	A	20040313	IN 2002-MN733	20020605
MX 2002PA06089	A	20030128	MX 2002-PA6089	20020619
US 2003038094	A1	20030227	US 2002-149905	20020905

	US 6906227	B2	20050614		
	HK 1054920	A1	20060106	HK 2003-107259	20031009
PRAI	DE 1999-19961521	A	19991220		
	WO 2000-EP12323	W	20001207		

AB Adducts of bis(4-hydroxyaryl)alkanes (prepared by acid-catalyzed reaction of aromatic hydroxy compds. with ketones) with hydroxyarenes are separated and purified by continuous filtration in a rotating vacuum drum filter. The drum filter contains filter cells including a suction zone, a washing zone, a dry suction zone, an aeration zone, and optionally a filter cake withdrawal zone and a cloth filter washing zone. The crystals (filter cake) are separated in an amount of 800 kg/h and washed in the washing zone with 50–150% PhOH (filter cake basis) at 45–70°. Process conditions (e.g. drum speed, filter cake thickness, circulation N2) are set so that the residual moisture content of the filter cake is <30%. Purified adduct crystals are melted on a heating spiral and collected in collecting tanks. Purification of 2,2-bis(4-hydroxyphenyl)propane (BPA) according to the process gave BPA crystals in a purity of >99% and with PhOH content of <50 ppm.

L5 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2000:254116 CAPLUS
DN 132:280883
TI Manufacture of bis(4-hydroxyaryl)alkanes
IN Kuehling, Steffen; Lanze, Rolf; Neumann, Rainer; Heydenreich, Frieder; Van Osselaer, Tony
PA Bayer A.-G., Germany
SO Ger. Offen., 4 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19848026	A1	20000420	DE 1998-19848026	19981017
	TW 517046	B	20030111	TW 1999-88116896	19991001
	WO 2000023410	A1	20000427	WO 1999-EP7358	19991005
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9960893	A	20000508	AU 1999-60893	19991005
	BR 9914607	A	20010703	BR 1999-14607	19991005
	EP 1121339	A1	20010808	EP 1999-947458	19991005
	EP 1121339	B1	20030129		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	MD 2001000161	A	20010930	MD 2001-20010161	19991005
	MD 2705	B2	20050228		
	JP 2002527497	T	20020827	JP 2000-577138	19991005
	ES 2190253	T3	20030716	ES 1999-947458	19991005
	MX 2001PA03769	A	20010731	MX 2001-PA3769	20010411
	US 6384288	B1	20020507	US 2001-807645	20010416
	US 2002055661	A1	20020509	US 2002-37995	20020103
PRAI	DE 1998-19848026	A	19981017		
	WO 1999-EP7358	W	19991005		
	US 2001-807645	A3	20010416		

AB Bis(4-hydroxyaryl)alkanes are separated from their adducts with aromatic OH compds. by (a) passing an inert gas through molten adducts and stripping the phenols at 150-230°, (b) removing the stripped phenols from the inert gas by condensation, and (c) purifying, compressing and recirculating the inert gas into the step (a). Thus, bisphenol A with Hazen color number 8 was obtained by use of N for removing PhOH from a molten 60/40% bisphenol A/PhOH mixture as described above.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2000:115788 CAPLUS
DN 132:166709
TI Recovery of bis(4-hydroxyaryl)alkanes with increased purity from their adducts with phenols
IN Kuehling, Steffen; Lanze, Rolf; Neumann, Rainer; Heydenreich, Frieder; Van Osselaer, Tony; Fennhoff, Gerhard
PA Bayer A.-G., Germany
SO Ger., 4 pp.
CODEN: GWXXAW
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 19840110	C1	20000217	DE 1998-19840110	19980903
	WO 2000014044	A1	20000316	WO 1999-EP6146	19990823
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 9958540	A	20000327	AU 1999-58540	19990823
	BR 9913415	A	20010522	BR 1999-13415	19990823
	EP 1109769	A1	20010627	EP 1999-946008	19990823
	EP 1109769	B1	20020703		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	JP 2002524434	T	20020806	JP 2000-568804	19990823
	ES 2179674	T3	20030116	ES 1999-946008	19990823
	CN 1121367	B	20030917	CN 1999-810099	19990823
	RU 2213723	C2	20031010	RU 2001-108542	19990823
	TW 577869	B	20040301	TW 1999-88115078	19990902
	US 6316678	B1	20011113	US 2001-786146	20010228
	MX 2001PA02298	A	20011001	MX 2001-PA2298	20010302
PRAI	DE 1998-19840110	A	19980903		
	WO 1999-EP6146	W	19990823		

AB Bis(4-hydroxyaryl)alkanes with increased purity and reduced purity variation are manufactured from their adducts with aromatic hydroxy compds. which are prepared by acid-catalyzed conversion of the aromatic hydroxy compds. with ketones. The crystalline adducts are treated with aerosol dispersions of aqueous alkali metal hydroxide solns. with variable concentration (0.005-0.015%), and then separated from phenols by distillation Thus, treating continuously crystalline bisphenol A/PhOH adduct with aerosol dispersion of aqueous NaOH solution via gas phase while monitoring (GC) the amount of impurities (isopropenylphenol, isopropenylphenol dimer and trisphenol) and increasing the NaOH concentration in the aerosol when the

total impurity concentration exceeded 100 ppm, gave bisphenol A of higher purity
and reduced the purity variation.
RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1964:68008 CAPLUS
DN 60:68008
OREF 60:11943f-h,11944a
TI 2,2-Bis(4-hydroxyaryl)propanes
IN Benedict, Louis; Apel, Francis N.
PA Union Carbide Corp.
SO 5 pp.
DT Patent
LA Unavailable
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 1161284		19640116	DE 1961-U7974	19610428
	GB 974982			GB	
PRAI	US		19600506		

AB Title compds. were prepared by the reaction of 1 mole of allene, propyne, or mixts. thereof with 3-20 moles of an appropriate phenol having a sterically unhindered, reactive para H atom, at 30-125° (preferably 55-60° in the presence of an insol., strongly acid cation exchange resin containing 0.01-0.5, especially 0.175, acid equivalent/mole of phenol, such as a sulfonated styrene-divinylbenzene copolymer or a phenol -formaldehyde sulfonic acid resin), under nearly water-free conditions. Thus, a stirred mixture of 564 g. molten phenol and 250 g. (0.875 acid equivalent) Dowex 50 W cation exchange resin, dried to a water-content of <2%, was heated to 50°, 40 g. of a 70:30% mixture of propyne:allene added over 3.5 hrs. through a gas-inlet tube placed below the surface of the liquid, the mixture filtered, the filter cake washed with 250 cc. molten phenol, the filtrate and the filter cake washed with 250 cc. molten phenol, and the filtrate and washings combined and distilled at 1 mm. to a final residue temperature of 200° to yield 183 g. crude 2,2-bis(4-hydroxyphenyl)propane (I) in the residue. The crude product was purified by heating it with >1:1 ratio of phenol:crude product at 37-95°. The by-products and a small amount of I are soluble, while most of I forms a crystalline 1:1 adduct with phenol. The adduct was filtered off or centrifuged, washed with phenol , then heated to remove the phenol, which was recycled to the reaction vessel, as were the filtrate and washings containing by-products, and unreacted olefins. The residue consisted of very pure I. Because an equilibrium between I and by-products of the reaction occurred and remained constant under constant reaction conditions, no accumulation of by-products took place, and the process displayed an efficiency of >99%. Other examples showed effect of reaction variables on yield, however, the above example detailed reflected optimum conditions.

=>